

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/038401A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01N27/447 G01N33/561

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 406 604 B1 (GUZMAN NORBERTO A) 18 June 2002 (2002-06-18) cited in the application	1-3
Y	the whole document	4-17, 94-96, 102-106
Y	----- US 6 613 525 B2 (NELSON ROBERT J ET AL) 2 September 2003 (2003-09-02) column 6, lines 6-35	4-30
Y	----- US 2002/042125 A1 (PETERSEN KURT E ET AL) 11 April 2002 (2002-04-11)	18-30
A	figure 2	69-71
X	paragraphs '0003!, '0011! - '0013!, '0020!, '0045!, '0046!, '0066!, '0135!; figure 2	40-45
	----- -/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

12 July 2005

Date of mailing of the international search report

30. 08. 2005

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

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 PCT/US2004/038401

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/012398 A (CETEK CORPORATION; BELENKY, ALEXEI; DUNAYEVSKIY, YURIY; HUGHES, DALLAS) 13 February 2003 (2003-02-13)	31, 33, 34, 50-53
Y	page 5, lines 3-5  page 15, lines 3-18; figures 6A-6D	32, 35-39, 54-91
X	GUZMAN NORBERTO A: "Improved solid-phase microextraction device for use in on-line immunoaffinity capillary electrophoresis." ELECTROPHORESIS. NOV 2003, vol. 24, no. 21, November 2003 (2003-11), pages 3718-3727, XP002335694 ISSN: 0173-0835	46-49
Y	page 3721, paragraphs 2.2.3, 2.2.4; figure 4  page 3724, paragraph 3.1; figures 2, 3	32, 35-39, 54-91
A	WO 01/70381 A (COVARIS, INC; LAUGHARN, JAMES, A., JR; GARRISON, BREVAR, S) 27 September 2001 (2001-09-27) page 2, lines 16-23 page 31, lines 12-22	68, 91
X	WO 98/23950 A (OXFORD GLYCOSCIENCES LTD; PAREKH, RAJESH, BHIKHU; AMESS, ROBERT; BRUC) 4 June 1998 (1998-06-04)	92, 93, 97-101
Y	page 2, lines 17-21 page 6, lines 4-12 page 9, lines 26-29 page 11, line 26 - page 16, line 9 page 22, line 16 - page 23, line 10	94-96, 102-106

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2004/038401

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; It is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-17

Device and method for electrophoresis comprising an analyte concentrator and affinity ligands  
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2. claims: 18-30

System for replacing affinity ligands comprising an analyte concentrator and a releasably coupled platform  
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3. claims: 31-39,50-91

Device and method for electrophoretic separation comprising analyte concentrators and a staggered transport passage  
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4. claims: 40-45

Device for electrophoresis comprising an analyte concentrator and an auxiliary passage  
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5. claims: 46-49

Method of forming a Fab' fragment  
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6. claims: 92-106

Device and method for detecting a disease comprising data analysis  
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# INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/US2004/038401

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# INTERNATIONAL SEARCH REPORT

information on patent family members

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